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(54) Electronic pH sensor die packaging

(57) A pH sensor is provided, comprising a substrate (40) and an ion sensitive field effect transistor (ISFET) die (10) with an ion sensing part (12) that responds to pH, wherein the ISFET die (10) is located over the substrate (40). The pH sensor also comprises a protective layer (14) formed over a portion of an outer surface of

the ISFET die (10). Further, the pH sensor comprises a cover member (90) mechanically coupled to the protective layer, wherein the cover member (90) houses the ISFET die (10) and the substrate (40), and wherein the cover member (90) defines an opening (92) proximate to the ion sensing part (12).

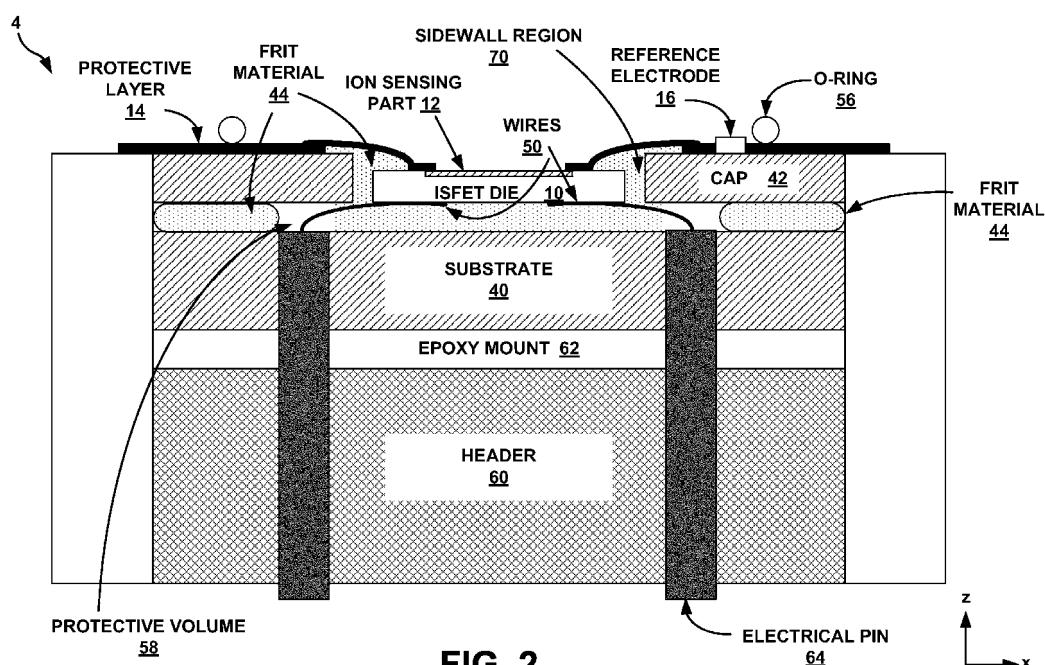


FIG. 2



EUROPEAN SEARCH REPORT

Application Number
EP 12 15 7017

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Y	----- ROY KNECHTEL: "Glass frit bonding: an universal technology for wafer level encapsulation and packaging", MICROSYSTEM TECHNOLOGIES ; MICRO AND NANOSYSTEMS INFORMATION STORAGE AND PROCESSING SYSTEMS, SPRINGER, BERLIN, DE, vol. 12, no. 1-2, 1 December 2005 (2005-12-01), pages 63-68, XP019349513, ISSN: 1432-1858, DOI: 10.1007/S00542-005-0022-X * paragraphs [02.1], [02.2], [0005] *	7-10	
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The present search report has been drawn up for all claims			
3	Place of search The Hague	Date of completion of the search 6 March 2013	Examiner Martin, Hazel
CATEGORY OF CITED DOCUMENTS <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

**ANNEX TO THE EUROPEAN SEARCH REPORT
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